

1 **Amendment to the Claims**

2 **In the Claims:**

3 Please amend Claims 1-3, 9, 16, 20, 22, 24, and 26 as follows:

4 1. (Currently Amended) A method for recording a live presentation including a predefined
5 content portion that includes a plurality of presentation slides displayed in response to slide triggering
6 events during the live presentation, and a live portion with live audio and/or visual content performed
7 in conjunction with display of said plurality of presentation slides during the live presentation, the
8 method comprising the steps of:

9 (a) generating slide display commands corresponding to said slide triggering events, for
10 controlling display of said plurality of presentation slides during playback of a recorded presentation;

11 (b) producing automatically embedding the slide display commands into a data stream as
12 the data stream is produced, the data stream comprising data corresponding to the live portion of the
13 presentation; and

14 (c) saving the data stream with embedded slide display commands to a file ~~while~~
15 ~~automatically embedding the slide display commands into the data stream~~ such that when the file is
16 played, said live portion is reproduced and said plurality of presentation slides are displayed in
17 substantial synchrony with said live portion as it is played, thereby replicating the live presentation.

18 2. (Currently Amended) The method of Claim 1, wherein the step of ~~producing~~
19 automatically embedding the slide display commands into the data stream comprises the steps of
20 capturing the live portion as it is performed during the live presentation; and, encoding the live
21 portion into a digital streaming format, thereby producing the data stream.

22 3. (Currently Amended) The method of Claim 2, wherein the step of automatically
23 embedding the slide display commands comprises the step of interleaving the slide display
24 commands into the data stream as ~~they~~ the slide display commands are generated.

25 4. (Original) The method of Claim 2, wherein the live presentation is performed using a local
26 computer that generates the slide display commands in response to the slide triggering events; and
27 wherein the live portion of the live presentation is captured and encoded into the data stream using an
28 encoding computer linked in communication with the local computer, further comprising the steps of:

29 (a) communicating the slide display commands from the local computer to the encoding
30 computer; and

1 (b) interleaving the slide display commands into the data stream as they are received by
2 the encoding computer.

3 5. (Original) The method of Claim 2, wherein the live visual content is captured as a
4 plurality of video frames, each being encoded into the data stream with a corresponding time stamp;
5 and wherein the slide display commands are interleaved into the data stream such that each slide
6 display command has a relative time stamp based on its location in the data stream.

7 6. (Original) The method of Claim 5, wherein the plurality of video frames comprises a
8 plurality of keyframes and deltaframes, further comprising the step of:

9 (a) adding a plurality of time index values to the data stream;

10 (b) indexing each of said plurality of keyframes to a corresponding time index value based
11 on the time stamp of the keyframe; and

12 (c) indexing each slide display command to a nearest preceding keyframe time index
13 value based on a time stamp of the slide display command.

14 7. (Original) The method of Claim 1, wherein the step generating slide display commands
15 comprises the steps of:

16 (a) capturing the slide triggering events as they occur during the live presentation; and

17 (b) generating slide display commands based on the slide triggering events that are
18 captured.

19 8. (Original) The method of Claim 1, wherein each presentation slide is associated with a
20 slide file that is saved to a predetermined location, and at least one of the slide display commands
21 references the predetermined location of an associated slide file.

22 9. (Currently Amended) A method for reproducing on a viewing computer a presentation
23 that was previously presented live, said viewing computer having a display, said presentation
24 including a predefined content portion with a plurality of presentation slides that were displayed in
25 response to slide triggering events during the presentation when it was presented live, and a live
26 portion comprising live audio and/or visual content performed in conjunction with display of said
27 plurality of presentation slides during the presentation when it was presented live, the method
28 comprising the steps of:

29 (a) producing a recording of the presentation when it was presented live by performing
30 the steps of:

1 (i) producing a data stream comprising data corresponding to the live portion of the
2 presentation;

3 (ii) generating slide display commands corresponding to said slide triggering events, each
4 slide display command controlling display of an associated presentation slide when the recording is
5 played;

6 (iii) automatically embedding the slide display commands into the data stream while the
7 data stream is being produced; and

8 (iv) saving the data stream to a data stream file that is accessible by the viewing computer;

9 (b) saving the predefined content portion to at least one presentation slide file that is
10 accessible by the viewing computer;

11 (c) accessing the data stream file with the viewing computer;

12 (d) reproducing the live portion of the presentation on the display of the viewing computer
13 by playing the data stream file;

14 (e) extracting the slide display commands from the data stream as the slide display
15 commands are encountered while playing the data stream file;

16 (f) in response to each slide display command that is extracted in the preceding step,
17 accessing data corresponding to its associated presentation slide with the viewing computer; and

18 (g) reproducing each of the plurality of presentation slides on the display of the viewing
19 computer as data corresponding to that presentation slide is accessed by the viewing computer in the
20 preceding step.

21 10. (Original) The method of Claim 9, wherein the viewing computer accesses the data
22 corresponding to the presentation slides with a browser program.

23 11. (Original) The method of Claim 10, wherein each of said plurality of presentation slides
24 is associated with a corresponding HTML slide file that is saved to a predetermined location on a
25 network accessible by the viewing computer and at least a portion of said slide display commands
26 comprise a link to the predetermined location of an associated HTML slide file on the network, each
27 of said HTML slide files being opened in the browser program in response to its associated slide
28 display command, said browser program interpreting the HTML slide files to reproduce said plurality
29 of presentation slides.
30

1 12. (Original) The method of Claim 11, wherein the link to each HTML slide files comprises
2 an absolute reference to a location on the network at which the HTML slide file corresponding to the
3 link is stored.

4 13. (Original) The method of Claim 12, wherein each of the absolute references comprises a
5 base portion identifying a base directory on a network resource in or below which the HTML slide
6 files are stored, and a relative portion, identifying a location at which the HTML slide files are stored
7 relative to the base directory, further comprising the steps of:

8 (a) passing the base portion to the browser program to indicate a location of the base
9 directory;

10 (b) removing the base portion from each of the links in said slide display commands so as
11 leave only the relative portion of the link; and

12 (c) using the relative portion of each link to enable the browser program to access the
13 HTML file associated with that link.

14 14. (Original) The method of Claim 10, wherein the browser program includes a display area
15 having a primary frame, and a secondary frame, a media player screen appearing in the secondary
16 frame, said presentation slide files being reproduced in the primary frame, and said live visual content
17 being reproduced in the media player screen.

18 15. (Original) The method of Claim 14, further comprising the steps of:

19 (a) indicating a location at which the data stream file is stored to the viewing computer;

20 (b) directing the data stream to the secondary frame; and

21 (c) playing the data stream in the secondary frame after at least a portion of the data
22 stream file is received, to reproduce the live portion of the presentation.

23 16. (Currently Amended) A system for recording a live presentation including a predefined
24 content portion having a plurality of presentation slides that are displayed in response to slide
25 triggering events during the live presentation, and a live portion with live audio and/or visual content
26 performed in conjunction with display of said plurality of presentation slides during the live
27 presentation, the system comprising:

28 (a) a local computer having a memory in which a plurality of machine instructions are
29 stored, a user interface, and a processor coupled to the memory for executing the machine
30 instructions;

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1 (b) a presentation application program comprising a portion of the plurality of machine
2 instructions stored in the memory of the local computer, the presentation application program
3 enabling:

4 (i) a presenter to change slides during the live presentation in response to slide triggering
5 events entered through the user interface; and

6 (ii) slide display commands to be generated in response to the slide triggering events;

7 (c) an audio capture subsystem that produces a digital audio signal corresponding to the
8 live audio content; and

9 (d) an encoding application module comprising a portion of the plurality of machine
10 instructions stored in the memory of the local computer, said encoding application module being used
11 for:

12 (i) encoding the digital audio signal into a data stream having a streaming data format;

13 (ii) automatically embedding the slide display commands into the data stream while the
14 digital audio signal is encoded into the data stream; and

15 (iii) saving the data stream to a data stream file such that when the data stream file is
16 played, said audio content is reproduced, and said plurality of presentation slides are displayed in
17 substantial synchrony with said audio content as it is reproduced, thereby replicating the live
18 presentation.

19 17. (Original) The system of Claim 16, wherein the live portion of the live presentation
20 further comprises live visual content, further including a video capture subsystem that produces a
21 digital video signal corresponding the live visual content, whereby the digital video signal is encoded
22 along with the digital audio signal into the data stream, such that the audio and visual content is
23 reproduced in synchrony when the data stream file is played.

24 18. (Original) The system of Claim 17, wherein the live visual content is captured as a
25 plurality of video frames, each being encoded into the data stream with a corresponding time stamp,
26 and the slide display commands are interleaved into the data stream, such that each slide display
27 command has a relative time stamp based on its location in the data stream.

28 19. (Original) The system of Claim 18, wherein the plurality of video frames comprises a
29 plurality of keyframes and deltaframes, and the encoding module further performs the functions of:

30 (a) adding a plurality of time index values to the data stream;

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1 (b) indexing each of said plurality of keyframes to a corresponding time index value,
2 based on a timestamp of the keyframe; and

3 (c) indexing each slide display command to a nearest preceding keyframe time index
4 value, based on a time stamp of the slide display command.

5 20. (Currently Amended) A system for recording a live presentation including a predefined
6 content portion having a plurality of presentation slides that are displayed in response to slide
7 triggering events during the live presentation, and a live portion comprising live audio content
8 performed in conjunction with display of said plurality of presentation slides during the live
9 presentation, the system comprising:

10 (a) a local computer having a memory in which a plurality of machine instructions are
11 stored, a user interface, and a processor coupled to the memory for executing the machine
12 instructions;

13 (b) an audio capture subsystem that produces a digital audio signal corresponding to the
14 live audio content;

15 (c) an encoding computer having a memory in which a plurality of machine instructions
16 are stored, and a processor coupled to the memory for executing the machine instructions, the
17 encoding computer being linked in communication with the local computer and the audio capture
18 subsystem;

19 (d) a portion of the plurality of machine instructions stored in the memory of the encoding
20 computer comprising an encoding module, execution of the encoding module performing the
21 functions of:

22 (i) encoding the digital audio signal into a data stream having a streaming data format;
23 and

24 (ii) saving the data stream to a data stream file; and

25 (e) a presentation application program comprising a portion of the plurality of machine
26 instructions stored in the memory of the local computer, execution of the presentation application
27 program enabling:

28 (i) a presenter to change slides during the live presentation by entering slide triggering
29 events through the user interface;

30 (ii) slide display commands to be generated in response to the slide triggering events; and

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1 (iii) communication of the slide display commands to the encoding computer, said slide
2 display commands being automatically embedded into the data stream by the encoding module as
3 ~~they~~ the slide display commands are received by the encoding computer and as the digital audio
4 signal is encoded into the data stream, such that when the data stream file is played, said audio
5 content is reproduced and said plurality of presentation slides are displayed in substantial synchrony
6 with said audio content as it is reproduced, thereby replicating the live presentation.

7 21. (Original) The system of Claim 20, wherein the live portion of the live presentation
8 further comprises live visual content, further including a video capture subsystem that produces a
9 digital video signal corresponding to the live visual content, said digital video signal being encoded
10 into the data stream by the encoding module executing on the encoding computer, such that the audio
11 content and visual content are reproduced in synchrony when the data stream file is played.

12 22. (Currently Amended) The system of Claim 21, wherein the live visual content is
13 captured as a plurality of video frames, each being encoded into the data stream with a corresponding
14 time stamp, and wherein the slide display commands are interleaved into the data stream, such that
15 each slide display command has a relative time stamp based on ~~it~~ its location in the data stream.

16 23. (Original) The system of Claim 22, wherein the plurality of video frames comprises a
17 plurality of keyframes and deltaframes, and the encoding module further performs the functions of:

- 18 (a) adding a plurality of time index values to the data stream;
19 (b) indexing each of said plurality of keyframes to a corresponding time index value,
20 based on a time stamp of the keyframe; and
21 (c) indexing each slide display command to a nearest preceding keyframe time index
22 value, based on a time stamp of the slide display command.

23 24. (Currently Amended) A computer-readable medium having computer-executable
24 instructions for recording a live presentation having a predefined content portion that includes a
25 plurality of presentation slides displayed on a computer in response to slide triggering events during
26 the live presentation, and a live portion comprising live audio and/or visual content performed in
27 conjunction with display of said plurality of presentation slides during the live presentation,
28 execution of the computer-executable instructions causing a computer to:

- 29 (a) generate slide display commands corresponding to said slide triggering events, for
30 controlling display of said plurality of presentation slides during playback of a recorded presentation;

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2 (b) ~~produce~~ automatically embed the slide display commands into a data stream as the
3 data stream is produced, the data stream comprising data corresponding to the live portion of the
4 presentation; and

5 (c) save the data stream with embedded slide display commands to a file while
6 automatically embedding the slide display commands into the data stream, such that when the file is
7 played, said live portion is reproduced and such that said plurality of presentation slides are displayed
8 in substantial synchrony with said live portion, thereby replicating the live presentation.

9 25. (Previously Amended) The computer-readable medium of Claim 24, wherein execution
10 of the computer-executable instructions further cause the live portion to be captured as it is performed
11 during the live presentation and to be encoded into a digital streaming format.

12 26. (Currently Amended) The computer-readable medium of Claim 25, wherein the slide
13 display commands are interleaved into the data stream as ~~they~~ the slide display commands are
14 generated.

15 27. (Previously Amended) The computer-readable medium of Claim 25, wherein the live
16 visual content is captured as a plurality of video frames, each being encoded into the data stream with
17 a corresponding time stamp, and the slide display commands are interleaved into the data stream such
18 that each slide display command has a relative time stamp based on its location in the data stream.

19 28. (Previously Amended) The computer-readable medium of Claim 25, wherein the
20 plurality of video frames comprises a plurality of keyframes and deltaframes, execution of the
21 computer-executable instructions causing a computer to:

22 (a) add a plurality of time index values to the data stream;

23 (b) index each of said plurality of keyframes to a corresponding time index value, based
24 on a timestamp of the keyframe; and

25 (c) index each slide display command to a nearest preceding keyframe time index value,
26 based on a time stamp of the slide display command.

27 29. (Previously Amended) The computer-readable medium of Claim 24, wherein:

28 (a) the slide triggering events are captured as they occur during the live presentation;

29 (b) the slide display commands are generated based on the slide triggering events that are
30 captured.